

ABSTRACT

An external pressure type hollow fiber membrane module, comprising a hollow fiber membrane bundle formed of a plurality of hollow fiber membranes, a housing, and an inlet/outlet nozzle for fluid, wherein hollow fiber membranes are fixedly adhered to each other and the hollow fiber membranes are fixedly adhered to the inner wall of the housing at both ends of the hollow fiber membrane bundle. The hollow part at one or both side adhesively-fixed ends is opened, and the inlet/outlet nozzle for fluid is installed at the side face of the housing at least at one adhesively-fixed end in which the hollow part is opened. Where the membrane occupied rates of the nozzle in a neighboring area (A) and a non-neighboring area (B) among membrane chargeable areas on the inside of the adhesively-fixed part at at least one adhesively-fixed end positioned near the nozzle and where the hollow part is opened are PA and PB, the ratio of the membrane occupied rates PB/PA is 0.50 to 0.95.